

From The Staff:

WTHA Headquarters, P.O. Box 97, Cabernet City, IL 60449

ASTOUNDING P2 DO HAVE... We've just received word, via New York DXer Jerry Fulmer, of some super DX. During an unusually good mid-November S-skip opening in North America, 45 MHz New Zealand sk 1 video was detected by Massachusetts DXer Bill Grant. Along with 45 MHz Australian video, these signals represent perhaps the ultimate in long haul DX to North American DXers. Australian video has been seen in Texas in the recent past, so as some DXers expected, Sunspot Cycle 21 is still full of surprises. The New Zealand video signals undoubtedly made it to Massachusetts via a combination of S and E-skip. We'll have more info in upcoming VIDS. In the meantime, congratulations are in order to these lucky DXers who equipped themselves for foreign standard TV signals!

IT'S OKLAHOMA CITY IN '81... Oklahoma City DXer John Zondlo has submitted the only bid for the 1981 WTHA Convention. Tentative dates for the event will be July 31, August 1, and August 2, 1981. More information will appear in the VTD in the next few months; in the meantime, when you think of next summer, remember to include Oklahoma in your travel plans. This will be the one you won't want to miss.

NEW EDITOR NEEDED... We're now in need of a new editor for the EASTERN TV DX column. Good typing abilities, as well as a typewriter in good working condition, will be required for anyone who'd like to volunteer. If you are an avid DXer willing to take on the responsibility of doing a regular DX column for the VTD, this is your chance to help the club. Contact Bill Thompson (address on back cover) if interested. In the meantime, our thanks are due to Robert Kramer for his work as DX editor.

WTHA SUPPLY PRICES TO INCREASE... The coming year will see some club supplies increase in price, as inflation continues to be a very real problem. We're trying to hold the line as much as we can, but watching for some special supply offers in the coming months. An updated back cover this month details what's currently available.

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MAILBOX

John Zondlo
1802 N. Rockwell,
Apt. 119
Bethany, OK 73008
(405) 787-3211
Deadline: 5th

New Members:

ROBERT DIXON
David Hallie
Fred Holland
David Margrith
Eric Nagel
R.L. Nash
Fred Pittier
Michael Told
Richard Trepner

2073 Highlandview Drive
11043 Bristol Terrace
3604 White Oak Way
8710 Louis Drive
P.O. Box 85
1013 Adams Ave.
12139 S. Green Court
Box 392
13140 Woodier St. NW

Powell, OH 43065
Kansas City, MO 64124
Huntsville, AL 35895
Omaha, NE 68111
Taylors, SC 29687
St. Charles, IL 60174
Maine Corners, WI 53130
Santer Elm, NC 28606
Mapleton, OH 44640

Renews:

G.W. Baffis, Vernon Eaton, Bill Fahber, James Miller, Robert Fischer, Robert Foxworth, Michael Kozucha, Ed Kozelski, Marvin Shultz, Ken Sloan, Peter Weeks, Tom Tingling.

Rejoin:

Charles George-6407 Howard-Ballan, TX 75227.

Address Changes:

Thomas Goffell-3601 S. Wood 900 E., Greentown, IN 46934
Robert Foxworth-GPO Box A-446-New York, NY 10118
Mark Lucas-721 Willingby Ave.-Lancaster, OH 43130
Jim Pizzi-P.O. Box 2493-Creutz, CA 93433

Newcomers Due in January:

Robert V. Switzer, Roger Carpenter, Donald Clark, Lawrence Crane, Ray Fraser, Mark Harris, Ed Houchins, Carlton Hovington, Rod Luoma, W.L. McIntosh, Paul Mischler, Ken Orzechuck, David Rogers, Robert Schweitzer, Paul Treksa, Bob Vanoefer, Morgan Williams.

Our new member parade leads off this month with ROBERT DIXON, Robert is an electrical engineer and operates with the calls W4RFD.

The program director of W4RFD in Indianapolis is one of our members now. He's FRED HOLLAND, who's into SSB, FM and TV DX, and belongs to NEC, Free DXB with a Fluoresc TA-1000 tuner.

MICHAEL TOLD is primarily a shortwave DXer and belongs to NABU and SPEKDX, his DX gear includes an SR-2200.

Finally, from the high school football capital of Ohio comes RICHARD TREPNER. Richard's DX interests span SSB and TV, and he's a member of NEC. Equipment in his shack includes an RCA 25" color TV with a Channel Master VHF antenna and an indoor UHF antenna. He'd welcome your suggestions on what VHF and UHF antennas and preamps to use to improve his DX system.

Notice.....

Here's the latest from Don Erickson on a pre-publication discount for the 1981 edition of the WTHA Radio TV Handbook: "The 1981 WTHA will retail at \$17 in the USA. Orders are now being taken at \$15 per copy including UPS or book club shipping of copies when received early in 1981. The deadline for orders is 18 December 1980 after which time the price will be \$17. Orders should contain check or money order payable to Donald Erickson. Please enclose a self-addressed, stamped envelope for confirmation of shipment. Canadians may enclose an unexpired envelope with return address and should use only International Money Order or Canadian Postal Money Order payable in U.S. dollars. All orders should specify 1981 WTHA on the outside of the envelope and be mailed no later than December 10, 1980 to: Donald Erickson, 6039 Essex Street, Riverside, CA 92504. 1980 WTHA's are no longer in stock; they may still be ordered from Watson-Guptill in Cincinnati. All orders are accepted with a guarantee of immediate refund at any time before shipment, without question. Inquiries welcome at 714-687-3914 until midnight PST."

This is from member Mike Kozucha: "I am in the process of reconstructing my FM antenna system. I want to get it high in the air with a larger antenna. My present installation I have wired to the most secure so right now I am left without an antenna for my DXing receiver. I had planned on doing it this summer, but just could never find the time."

A big welcome back is in order for Charles George! He updates us on what's been happening with himself: "I am unemployed at the moment; however, I have done volunteer work during pledge drives at WGRM-TV and FM. I used to do volunteer announcing at KJRH (now KNOM). I did a UK show for KJRH. I am 37. I have the old call KX5700. The other clubs I am in are NASM, SPEXIE, WNRG, NRC, Association DX (2nd Editorial) in Houston, Argentina. I am interested in DXing whatever I can receive with my equipment. My DXing equipment is a Panasonic RF-2500, a CTR-43 Realistic cassette recorder, and an RCA adapter from FM Atlas. For most of my FM DX on far I just use the built in whip, but sometimes use a 30' wire. I am a past member of WTFD, but dropped out from not receiving DX, but this past year I received several stations. In July I picked up stations from Michigan, Indiana, Canada, Ohio and Pennsylvania. I also have a small broadcasting board I bought used for \$100, a Spitzmaster 400MSU, four pots, eight inputs. I use it to practice my announcing/production techniques."

Now, a few words from old friend John Callerman: "I have been doing a bit of FM DXing this summer, though I missed the Great Rushup opening that started on my birthday, June 16th. And, doggone it, my wife was out of town that week, too, so I could have spent all my spare time at the FM dish."

Did find a fairly interesting E-skip opening on July 17th when I woke up from my afternoon nap, with Quebec and New Mexico coming in simultaneously, plus Colorado and Utah, but I had to cut it short to travel to Nashville, Illinois, where the WNR All-Stars were involved in a dokey race. Did continue to tape a few DX catches on the car radio on the way over. Most interesting.

My equipment is more continuous to be as described previously, a Fisher 280 fed by a TV antenna from a tower toward St. Louis at about 60' above ground, which is definitely not optimum for tropo.

I have taken advantage of a couple of off the air situations for WNRX and WNDX, two relatively impenetrable signals (well, with my setup, absolutely impenetrable), and was happy to get an opening into Kansas City (KCKX) during WNR's couple of nights off and into Wichita (EARD) while WNDX was missing. KARD is my greatest distance on tropo, about 450 miles, so the really deep tropo that those with better facilities are getting hasn't hit my system yet. Best Class A tropo catch is WNDX 92.1 at right at 300 miles from this site."

Last report this month comes from Dr. Richard Good: "I have now installed a 108' Rohm tower with a quad array of four horizontally and vertically stacked Winegard F1 antennas. Under average conditions I get 300-plus miles in all directions, e.g., Cincinnati, Indianapolis, Birmingham, Knoxville, Chattanooga, Ames, MS, Kansas City. I will be reporting to FM North regularly. When I can afford it, I will add a 30' beamster UHF dish and a VHF antenna to the system." Not bad, eh?

As many of you know, WTFD's three representatives to ANARC are yours truly, Peter Oprisko and Morris Goldsman. Recently, we cast several ballots which will be of interest to the membership:

1. Ballot for 1981 Convention: On this, the club voted in favor of Thunder Bay, Ontario, over St. Louis for the convention. We feel the convention committee in Thunder Bay is better able to get on the convention and showed their true interest in hosting by bidding for the 1980 convention.
2. Confirmation of ANARC Executive Secretary: There was no call for nominations in the ANARC Newsletter. Dave Browne says he was nominated by ASWLC, seconded by LHM. The three of us voted against Dave Browne because of the failure to have the nominations called for.
3. Increase ANARC dues to \$5 per member from the present \$3 per 100: We voted against this, as for our club, it would represent 2 1/2 times what we're now paying.
4. Increase ANARC Newsletter subscriptions to \$5 if postal rates go up January 1: We approved this one, with hopes the rates will go up regardless of a postage increase.
5. Approve site of following year's ANARC convention at ANARC convention: We voted against this because we feel the club reps should have a say in where the convention will be held, rather than the persons attending the convention.
6. Approve sending a complimentary copy of the bulletin to the ANARC Newsletter editor, rather than the Executive Secretary, unless both positions are held by one person: No problem approving this.

7. Amend the ANARC By-Laws to read that ANARC business should be taken care of as needed, at the Executive Secretary's discretion, but at least quarterly. We agree with Dave Browne's reasoning that urgent business should not wait for a quarterly vote, but should be dealt with as needed.

Say questions or comments you have regarding ANARC business are most welcome, and will aid in future votes. See p.11 next month.

STATION BREAK

c/o Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

WTFD member idn only. 3 line or 30 word limit.

TRAIN - Recent TV GUIDE from all U.S.A. points in return for Canadian ones (you specify area). Deal Clarence, 79 Ridge Drive, Toronto, Ontario M2Z 1M5, CANADA.

FOR SALE - I have the WFP-UNP DIGEST issues from 1976 to 1979 for sale. Martin J. Threl, 12 Princeton Drive N., Holiday, Florida 33500.

FOR SALE - Sony KIP-3000W. Like new. Excellent condition. AG card included. Price \$75.00, bank draft please. WFS. Robert Mackendry, Box 28, Hankton, SD 57076.

Your non-commercial ad can appear in the FUD free of charge! Get a piece of gear you'd like to sell? Looking for something? Advertise in STATION BREAK.

IFCDX

You are invited to join one of the newest and most unique DX organizations in existence today--the International Fellowship of Christian DXers. We publish a monthly bulletin called Fellowship Calling, which features station profiles, SW DX loggings, QSL tips, inspirational thoughts, as well as many other sections dealing with all aspects of the DX hobby. We have established a QSL Bureau for those who have difficulty obtaining verifications of their reception reports and a correspondence department for those who wish to establish meaningful friendships with DXers around the world. The only requirements for joining the club are an interest in religious broadcasting and payment of the \$5 annual dues.

Please send any comments or suggestions you have to David DeLatta, Route 2, Box 970, Jackson, LA 70769.

CADX GET TOGETHER

The longest continuous gettogether in the DX world will take place December 26th - 28th and the New Year's Eve Party/Union will be held at 4639 N. Albany in Chicago. This is the 11th edition; there will be several all night sessions on whatever band appears worthwhile, and station junk trading will be encouraged. For further info, contact Robert Krammer, 4639 N. Albany, Chicago, IL 60625. Telephone: (312) 463-4334.

Robert Kraser
4639 N. Albany
Chicago, IL 60626

Condition 5b

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12	4600	K2V-3	NO	11	75	3005	34,54,55,56,	15	16	1608	W2V-4	NO	
	4700	MDL-10	NO				34,54,55			1629	W2V-2	NO	
		K2V-26	NO				2229	W2V-12	NO	1130	W2V-1	NO	
	4800	W2V-34	NO				W2V-42	NO		0839	W2V-2	NO	
	1945	K2V-21	NO				1640	W2V-3	NO	0840	W2V-3	NO	
	2200	W2V-20	NO				0745	W2V-4	NO	0842	W2V-3	NO	
		K2V-48	NO				0759	W2V-24	NO	0840	W2V-4	NO	
		K2V-13	NO				0804	W2V-23	NO	0840	W2V-5	NO	
	2207	W2V-6	NO				0830	W2V-25	NO	17	17	0840	W2V-6
	4838	K2V-1	NO				0839	W2V-33	NO	17	17	0840	W2V-7
		W2V-4	NO				2100	K2V-25	NO	0830	W2V-8	NO	
		K2V-41	NO					W2V-29	NO			0840	W2V-9
		K2V-30	NO					W2V-18	NO			0840	W2V-10
	3259	W2V-11	NO					W2V-16	NO			0840	W2V-11
		Topex						W2V-13	NO	16	16		
27	1510	K2V-8	NO				2129	W2V-13	NO			1139	W2V-12
	1511	W2V-9	NO				0511	W2V-1	NO			1139	W2V-13
	1519	W2V-19	NO				0513	W2V-19	NO			1200	W2V-14
		W2V-31	NO				0514	W2V-20	NO			1630	W2V-15
	1525	W2V-25	NO				0523	W2V-40	NO			1630	W2V-16
		W2V-10	NO					W2V-41	NO			1630	W2V-17
	1527	W2V-26	NO				0540	W2V-42	NO			1630	W2V-18
	1530	W2V-3	NO				0542	W2V-1	NO			1630	W2V-19
	1540	W2V-6	NO				0545	W2V-11	NO			1630	W2V-20
		W2V-2	NO					W2V-25	NO			1630	W2V-21
	1541	W2V-7	NO				0552	W2V-11	NO			1630	W2V-22
	1549	K2V-29	NO				0554	W2V-7	NO			1630	W2V-23
	1609	K2V-7	NO				0557	W2V-12	NO			1630	W2V-24
	1606	K2V-14	NO				0600	W2V-35	NO			1630	W2V-25
		K2V-24	NO				0605	K2V-15	NO			1630	W2V-26
		K2V-24	NO					W2V-41	NO			1630	W2V-27
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	1659	W2V-4	NO				0610	W2V-43	NO	17		1630	W2V-29
		K2V-10	NO					W2V-44	NO			1630	W2V-30
	1660	K2V-11	NO				0610	W2V-45	NO			1630	W2V-31
	1662	K2V-16	NO				0610	W2V-46	NO			1630	W2V-32
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		W2V-4	NO				0610	W2V-50	NO			1630	W2V-36
	1670	K2V-29	NO				0610	W2V-51	NO			1630	W2V-37
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	1678	K2V-33	NO				0610	W2V-55	NO			1630	W2V-41
	1680	K2V-34	NO				0610	W2V-56	NO			1630	W2V-42
	1682	K2V-35	NO				0610	W2V-57	NO			1630	W2V-43
	1684	K2V-36	NO				0610	W2V-58	NO			1630	W2V-44
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	1688	K2V-38	NO				0610	W2V-60	NO			1630	W2V-46
	1690	K2V-39	NO				0610	W2V-61	NO			1630	W2V-47
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	1694	K2V-41	NO				0610	W2V-63	NO			1630	W2V-49
	1696	K2V-42	NO				0610	W2V-64	NO			1630	W2V-50
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	1724	K2V-56	NO				0610	W2V-78	NO			1630	W2V-64
	1726	K2V-57	NO				0610	W2V-79	NO			1630	W2V-65
	1728	K2V-58	NO				0610	W2V-80	NO			1630	W2V-66
	1730	K2V-59	NO				0610	W2V-81	NO			1630	W2V-67
	1732	K2V-60	NO				0610	W2V-82	NO			1630	W2V-68
	1734	K2V-61	NO				0610	W2V-83	NO			1630	W2V-69
	1736	K2V-62	NO				0610	W2V-84	NO			1630	W2V-70
	1738	K2V-63	NO				0610	W2V-85	NO			1630	W2V-71
	1740	K2V-64	NO				0610	W2V-86	NO			1630	W2V-72
	1742	K2V-65	NO				0610	W2V-87	NO			1630	W2V-73
	1744	K2V-66	NO				0610	W2V-88	NO			1630	W2V-74
	1746	K2V-67	NO				0610	W2V-89	NO			1630	W2V-75
	1748	K2V-68	NO				0610	W2V-90	NO			1630	W2V-76
	1750	K2V-69	NO				0610	W2V-91	NO			1630	W2V-77
	1752	K2V-70	NO				0610	W2V-92	NO			1630	W2V-78
	1754	K2V-71	NO				0610	W2V-93	NO			1630	W2V-79
	1756	K2V-72	NO				0610	W2V-94	NO			1630	W2V-80
	1758	K2V-73	NO				0610	W2V-95	NO			1630	W2V-81
	1760	K2V-74	NO				0610	W2V-96	NO			1630	W2V-82
	1762	K2V-75	NO				0610	W2V-97	NO			1630	W2V-83
	1764	K2V-76	NO				0610	W2V-98	NO			1630	W2V-84
	1766	K2V-77	NO				0610	W2V-99	NO			1630	W2V-85
	1768	K2V-78	NO				0610	W2V-100	NO			1630	W2V-86
	1770	K2V-79	NO				0610	W2V-101	NO			1630	W2V-87
	1772	K2V-80	NO				0610	W2V-102	NO			1630	W2V-88
	1774	K2V-81	NO				0610	W2V-103	NO			1630	W2V-89
	1776	K2V-82	NO				0610	W2V-104	NO			1630	W2V-90
	1778	K2V-83	NO				0610	W2V-105	NO			1630	W2V-91
	1780	K2V-84	NO				0610	W2V-106	NO			1630	W2V-92
	1782	K2V-85	NO				0610	W2V-107	NO			1630	W2V-93
	1784	K2V-86	NO				0610	W2V-108	NO			1630	W2V-94
	1786	K2V-87	NO				0610	W2V-109	NO			1630	W2V-95
	1788	K2V-88	NO				0610	W2V-110	NO			1630	W2V-96
	1790	K2V-89	NO				0610	W2V-111	NO			1630	W2V-97
	1792	K2V-90	NO				0610	W2V-112	NO			1630	W2V-98
	1794	K2V-91	NO				0610	W2V-113	NO			1630	W2V-99
	1796	K2V-92	NO				0610	W2V-114	NO			1630	W2V-100
	1798	K2V-93	NO				0610	W2V-115	NO			1630	W2V-101
	1800	K2V-94	NO				0610	W2V-116	NO			1630	W2V-102
	1802	K2V-95	NO				0610	W2V-117	NO			1630	W2V-103
	1804	K2V-96	NO				0610	W2V-118	NO			1630	W2V-104
	1806	K2V-97	NO				0610	W2V-119	NO			1630	W2V-105
	1808	K2V-98	NO				0610	W2V-120	NO			1630	W2V-106
	1810	K2V-99	NO				0610	W2V-121	NO			1630	W2V-107
	1812	K2V-100	NO				0610	W2V-122	NO			1630	W2V-108
	1814	K2V-101	NO				0610	W2V-123	NO			1630	W2V-109
	1816	K2V-102	NO				0610	W2V-124	NO			1630	W2V-110
	1818	K2V-103	NO				0610	W2V-125	NO			1630	W2V-111
	1820	K2V-104	NO				0610	W2V-126	NO			1630	W2V-112
	1822	K2V-105	NO				0610	W2V-127	NO			1630	W2V-113
	1824	K2V-106	NO				0610	W2V-128	NO			1630	W2V-114
	1826	K2V-107	NO				0610	W2V-129	NO			1630	W2V-115
	1828	K2V-108	NO				0610	W2V-130	NO			1630	W2V-116
	1830	K2V-109	NO				0610	W2V-131	NO			1630	W2V-117
	1832	K2V-110	NO				0610	W2V-132	NO			1630	W2V-118
	1834	K2V-111	NO				0610	W2V-133	NO			1630	W2V-119
	1836	K2V-112	NO				0610	W2V-134	NO			1630	W2V-120
	1838	K2V-113	NO				0610	W2V-135	NO			1630	W2V-121
	1840	K2V-114	NO				0610	W2V-136</					

TV STATISTICS

Michael I. Hogan
14910 Chippewa Ave.
Apartment 1
Barrham, Illinois 60033
Deadline: the 10th
Phone: 312-858-4392

Neat location	WK	Ch	FX	BO	TD	YR	As. of:
Bob Baybold, Dunkirk NY	400	8	4	3	61	50	7/79
Marvin Shultz, Toulon IL	400	7	8	3	61	65	1/80
Edna Simon, Lake Worth FL	300	4	7	12	54	72	9/80
William Dwyer, Kenosha WI	400	7	1	1	53	33	10/80
Fred McGorrick, One Lake RD	400	7	3	1	53	61	2/79
Thomas Yingling, Baltimore MD	400	7	0	4	51	60	5/79
Robert Kresner, Chicago IL	700	6	2	5	51	79	11/80
Paul Frank, Buffalo NY	700	8	1	1	53	67	10/80
Jim Miller, Maumee WI	700	7	2	0	62	61	4/79
Don Muland, Kenosha WI	400	6	1	0	43	71	7/79
Paul Potocny, Trout Lake WI	700	8	0	1	47	54	7/79
Frank Wheeler, Erie PA	500	9	0	1	45	55	09/80
Mike Reid, Willowdale ON	300	9	0	0	41	75	3/79
B.W. Battin, Duluth TN	300	4	1	2	41	76	4/79
Mike Seneel, Deerport IA	300	7	2	0	39	72	9/79
Neil Knaprowski, Easton MI	300	4	0	1	37	72	10/80
Mike Hollis, Ft. Campbell KY	200	1	2	3	35	78	4/79
Fred Nordquist, Clay NY	200	6	0	1	33	87	10/77
William Heyburn, Niagara Falls ON	200	6	3	1	34	76	4/80
Ed Brindle, Pittsburgh PA	200	7	1	0	32	77	7/80
Bob Luzzo, Durant IA	200	4	1	0	38	77	9/79
Steven Schaffner, Hammond IN	700	7	7	7	29	80	9/80
Bill Fieber, Bridgeton NJ	200	1	0	1	26	76	7/79
Dave Kucell, Foxville IN	200	1	0	0	23	77	11/80
Michael Hogan, Barrham IL	17	1	0	0	19	76	5/79
Robert Goodman, Chicago, IL	700	7	7	7	16	74	10/80
Robert Schweitzer, E. Brunswick NJ	700	7	7	7	11	77	4/79
Robert Ross, London ON	700	7	7	7	11	77	4/79

Well here you have the Total Political Units Standings from the 'Great 28.' Where was your report?

Just a few reminders now. All the shows this were broken by the total number of stations seen by the individual Dwers. Upcoming in the future for the column will be more NEW RECORDS set since the 1980 All-Time records listing. Maybe you will be one of them. I know for a fact that this summer brought many long haul 28 and tropo seasons. So I urge you to send in your distances that you think might qualify your reception as a record setter.

Remember to support this column and all other VHF columns and this is your club. Also, club supplies aid you in many facets of your DX hobby. These club supplies are listed on the back cover of the VFD. One publication that is a must for the TV DXer is the UHF Translator list. If you have the equipment and the time, the use of this guide will lessen your TV DX totals quickly. Just write WYFD HQ for current price and availability.

73's

Mike

PHOTO-NEWS

J.L. Alexander
4 Brook Court
Fairfield, NJ 07004
February, 1980



WTVU-4 Mexico City, DF Mexico
1,293 mile E-tropo (Cobra)

EDITORIAL DIRECTOR
THOM FOULKS
2200 7th Ave.
PUEBLO, COLORADO
81003

WJLA-5 Pueblo, CO
E-tropo (Gaines)

WOWK-TV
HUNTINGTON, W. VA.
W 11 AM
CHARLESTON, W. VA.
STL KQJ 27

WOWK-13 Huntington, WV
180 mile tropo (Gaines)

27
KTSBTV TOPEKA

KTSB-27 Topeka, KS
330 mile tropo (Gaines)



WVTV-21 Rochester, NY
180 mile tropo (Gaines)

Contributors:

John Coxley,
Orlando FL

Paul Gaines,
Detroit MI

Jack Battin,
Duluth MN

Waiting a Joyce holiday
season to all.

Jim

[illegible]

Danny Dunlap
1312 S. Skyline
Millersburg, OH 44661

IF < DLI < 1000: NONE

4498 WILSON AND BATES

Greg Neff, 1115 Plover Ln, #124, Silver Spring, MD 20910 - July 17 to Sept. 29 1981
 District: Potomac (A-5500), 213 Street House Box 2130 ft., wet meadow

7/27	tr			1/31			
10/29	WHE	95.7	VA	Surfside, S. S.	10/21	WHLA	90.1 VA Espanola, S. S. 10-99-200
10/29	WHLA	104.5	VA	Surfside, S. S. 10/29			
10/29	WHLA	97.7	VA	Surfside, S. S.	3/12		
8/1	tr			7/12	WHLA	101.3 VA Espanola, S. S. 10/29	
8/1	tr			7/1			
10/29	WHLA	95.7	VA	101.3 VA Espanola, S. S. 10/29			

2159 WFTS 307.1 MU Federalburg, S
 2163 WFTS 303.7 DE Wilmington, S, S
 2165 WFTS 304.1 VA Yorktown, S
 2169 WFTS 307.5 VA Sumner, T-ball, IL
 2172 WFTS 305.9 DE Bethany Beach, I, S
 B.O.
 2101 WFTS 303.7 DE Salisbury City, DE, S,
 "K-9"
 B.O.
 2129 WFTS 302.7 DE Ichabod Beach, W, S
 (see above)
 0138 WFTS 105.5 VA Tappahannock, W, S, test
 All above freq. still holding up a bag of the golden mean! heard no far here yet
 limited on time available. 73.

[illegible]

Continued Texas was once again endowed with some warm, pleasant weather during the first week of November, and this produced the first 500-700 mile trips made by this reporter to a number of schools. The trip up to (about) Sedgewick was certainly welcomed since I had seen the temperature plummet to around 24 degrees at the end of October. (It was down to around 20 here there 102.)

Pat. Dugg, MEXICO, 5315 Blumington Dr., San Antonio, TX 78209 - July 14-71 w/prior address
 (Note: MEXICAN 7H-1901 tank no. 426, 6-ol. Archer missed at 20 ft. w/potter
 (COW head, now unidentified, t-terminative)

0033	25794	89.3	NO	Grand Forks, C
0956	2401	94.5	NO	Bismarck, atom ad

7/15	FA	6052	PRIN	60.3	MI	Green Bay	1130
6055	FALE	58.0	OK	Tulash, TX			1250
6058	GRBA	88.5	NH	Roseapple, NY			1110
6059	GRBA	59.0	WI	Scrub, ID			1235

[illegible]

16

SOUTHERN FPC 01

0919	KMOT 185.9	CA Los Angeles, sd	1185
(please drive slower than bus schedule)			
0927	KHQB106.7	CA Pasadena	1185
0940	KWXR 96.9	MI Detroit, news sd	790
0945	KBSB 92.5	UT Cedar City, k	1095
	KHBS 93.5	UT St. George, n	
1045	WYUU		
1053	KPRR 94.1	NY Henderson, n	1058
1063	KQWV 98.1	NY Long View, n	1058
1052	KLDC 93.5	NY Long View, SD	1050
1110	WYUU		
1235	KYUW 98.9	UT Provo	1065
	KPRR 96.7	UT Salt Lake City, n	1080
(bus other than SLCT)			
1240	KWXR 96.9	MI Salt Lake City, sd	

1211	KACF	94.3	UT Salt Lake City,	nd	
1213	KCLF	97.9	UT Ogden, Og	h	1400
1216	KCLF	90.9	UT Salt Lake City,	pm	1040
1220	KWHD	93.3	UT Salt Lake City,	ac	
1230	KSLV	94.9	ID Twin Falls, ID	x	1285
1244	KTVB	94.0	ID Boise, r		1260
	KBOI	97.9	ID Boise, m		1300
1287	KSL	94.1	ID Caldwell, ac	nd	1390
	KIBK	92.3	ID Boise, r		1370
1293	f/ouch				

7/21	8a				
2117	KRATZ	30.5	TA	Geometrical Shapes, r	830
	MAKAT	30.1	TA	Cedar Plaghi, R	585
2125	KRATZ	34.1	ME	Geology, SD	870
2128	KRATZ	32.3	ME	Chem, r	
2129	KRATZ	36.3	ME	Lincoln, ID	
2132	KRATZ	30.5	SD	Stress Fields, v4, ID	795
2133	KRATZ	30.5	SD	Stress Fields, "x-9", v4	
2135	KRATZ	36.7	SD	Terminology, c	920
	KRATZ	38.3	SD	Breakdown, j	1020
2145	F/late				
2223-2241	KRATZ	34.5	SD	Stress, w 1300	

7/22	EA			
0704	KIOT	90.9	CA	Saurashtra, wt
				1475
0706	KIOT	96.2	TX	Odessa, group of
				260

0773	KHUB49.3	2a Pasadena, WTB	4855
0777	KCHH 88.5	CA Northridge, nr	1210
0799	WLOH 88.1	CA Long Beach, ID	1380

0741 874E 93,5 MY Nivertan, local at 1060
0745 flute

0910 MIPD 95.5 TX Waco, local sbs 770

0510-0745 unlike mostly 88-89 to 94.7 spots

0745	MBZ: 94.5	IA Ft. Dodge, I	975
0750	MBZ: 80.1	IA Pro Polman, Ia. mo	050

0625 Fouts (1941 album 0600) 7/25-04/15
0610 What 88.5 BC Raleigh, J 1230
0622 What 88.5 BC Winston-Salem, C 1150

0850	WFLA	06.1	FL	Fort Worth, W, FL	1990
0853	WFLA	08.7	NC	Greensboro, NC	1975
0854	WFLA	02.1	FL	Atlanta, NC	set by 136

0857	WRVQ	94.5	VA	Richmond, ad	2325
0900	WQHN	94.7	NC	Kelowna, ID	1230

0905	WPHH	93.7	WI	Wilmwaukee, c	1100
0906	WPHH	96.5	WI	Wilmwaukee, c	1100
0909	WPHH	93.7	WI	Wilmwaukee	1100

Devar, cont.

7/26	km				
0910	WDR	96.9	BC	Caldobacco, ar	12
0914	WDR	97.9	BC	Chazabito, SP	12
0927	WDR	98.1	W	Gas Hill, h, II	11
0928	WDR	98.1	W	Gascon, w	11
0930	WDR	98.1	W	Gascon, w	11
0940	WDR	104.7	W	Grand Tapian, ada, II	12
0941	WDR	106.9	RT	Huagang, sd	12
0947	WDR	98.1	IL	Huagang, sd	12
1004	WDR	98.5	W	Managong, III	12
1011	WDR	98.1	W	St. Cloud, II	12
1028	WDR	99.3	SD	Vermillion, ID	9
1040	WDR	99.3	SD	Grand Tackles, n	12
1053	WDR	99.3	SD	Grand Tackles	12
noon	WDR				
1111	WDR	98.5	W	Gascon, w	11

1197	KIK	94.5	MT Buildings, local ad	19
1200	9/20/96			
1205	KIK	94.5	NW St. Paul, ad	11
1206	KIK	94.5	SO Brookings, J	10
1207	KIK	94.1	SD Sioux Falls, F, ID	9
1208	KIK	97.8	SD Fargo, S	12
1211	KIK	94.5	SD Sioux Falls, ID, S	12
1212	KIK	96.9	SD Woodstock, F, AD, AD	12
1213	KIK	97.5	SD Sioux Falls, ID	9
1214	KIK	97.5	SD Goodsmore, ID	11

Da	Year	Age	Sex	Location	Notes
1942	1906	36.7	AD	Albuquerque, NM	10
1744	1810	66.5	SE	Strom, White, ID, ex	9
1013	1892	34.5	AD	Belmont, ID	8
1820	1874	46.5	AD	Belmont, ID	7
1852	1844	44.1	HT	San Glair, N	6
1900	1862	37.3	FL	Green Bay, WI	5
	1885	68.5	NU	(no NW ex)	4
1908	1854	54.9	FL	St. Louis, ID	3
1910	1898	36.9	NU	Idaho	2
1947	1902	45.3	FL	Small Lake, Ariz	1
1926	1878	47.3	AD	St. Paul, local NW	1
1928	1878	50.3	AD	St. Paul, local NW	1

1971	KBL	92.3	AM	Oakland, Calif.	10
1973	KBL	92.3	AM	Oakland, Calif.	8
1976	KALB	93.3	FM	Wisconsin, local AM	10
1978	KERZ	93.1	FM	Mankato, Minn., local AM	10
2000	WYNN	94.5	FM	Caldwell, Idaho, local AM	12
2070	radio				

7/21/88
173-1743 uncl. to 95.3

2035	KASMT	98.5	CA Mission Viejo, CA	11
2141	KHLS	98.3	10M Tijuana	12
	KPFD	94.1	CA San Diego, CA	11

2042	KHFM4	98.5	MSP	Tl-Jones, 7	13
	KHFM4	98.1	CA	San Diego	12
	KHFM4	98.5	CA	El Cajon	13

2091	ASTRA	91.1	MCN	Aljame, P.	91.1	ED
2091	HYPER	96.5	CA	San Diego, S		11
2091	HYPER	96.5	CA	San Diego, S		11

1984 Γ/cm^2

1213	WICH	98.5	FD Williamsport, Pa	13
1224	WHSF	94.9	FA Harrisburg, Pa	14

1223	WVIL	96.1	FM Parkersburg, W	13
	WYCR	94.5	FM York, r	14
	WGAT	96.7	FM State College, r	15

1227	Wage	94.1	1A	Sanbury, ac, "9-KX"	14
------	------	------	----	---------------------	----

1232	WJL	94.5	PA. Johnston, town ID	13
1236	WJL	94.5	PA. Johnston, town ID	13
1240	WJL	94.5	PA. Pittsburgh, r	12

10.

NORTHERN FM-DX

Salvo Strobel, editor
2510 E. McGalliard Rd.
Muncie, Indiana 47305
(317) 288-5815
Deadlines: the 10th

DECEMBER 1980

For 99 areas in Canada, the Northwest-Central states of WA OR ID MT WY WY ND SD NE WY IA MO and states east of the Mississippi River and north of the Mason-Dixon line.

APPROX TROPD SLIMS TO ZERO. GET A FEW GOOD BUNTER REPORTS SUBMITTED.

Jeff Falconer - Box 55 - Clinton, OH 43114

Equipment: J.C. Kenney 1913 portable with whip or Bealistic STA-45 and Wincoart Py-lark active antenna. Time FIFT. All new unless otherwise stated.

7/28	1127	WUP	88.7	TX	Houston, J.
					my lat En station!
1890	3322		88.9	TX	Commerce
1895	4383		93.9	TX	Fort Worth, SF
1917	W438		94.9	TX	W Arlington
2000	4312		92.8	TX	Wichita Falls
2010	4282		94.7	OK	Oklaoma City, k
2022	4147		94.5	TX	Gainesville
2043	4343		95.7	OK	Armore, k
2053	4302		95.7	MO	Point Lookout
2207	4777		91.7	TX	Dallas
2208	5476		94.2	TX	Dallas
2225	4794		94.2	AR	Little Rock, r
2230	4742		94.1	LA	Shreveport, s
2250	4722		97.1	TX	Fort Worth, r. #2-97H
2252	4720		97.1	OK	Red TX Damages 8H
7/3					
1906	4788	106.7	IL	Dec Village, m	
7/3					
0274	WUV	90.1	WI	Milwaukee	
0275	WLR	101.0	IL	Skokie-Chicago, r	
0335	WGA	92.3	IK	Hammond	
0414	WGY	101.5	IK	South Bend	
0416	WJZ	92.9	MI	Buffalo, w-WBFF, r	
0339	WNU	92.9	IN	South Bend, r	
7/3					
1625	WZL	90.5	TX	Houston, f	
1625	KLIS	93.3	TX	Willes	
1647	WJIN	93.3	TX	Port Arthur	
1635	WHTC	107.5	TX	San Antonio	
1644	WVFC	98.7	TX	Dallas, "K-Ham"	
1701	WSTT	106.1	TX	Denton	
1718	KKAN	105.1	TX	Arlens	
1727	WJGC	102.9	TX	Dallas	
1801	WYRM	102.9	TX	Arlens	
1808	WJCS	96.3	TX	Fort Worth	
1813	WFLX	93.5	TX	Fort Worth	
1815	WJHR	99.9	TX	Wichita Falls	
2010	LESL	100.0	MO	Amora, local 3H pass	
2026	LESL	101.9	OK	Oklaoma City	
2030	WSTW101.3			my test, can't find WSTW is max 103.0Hz	
2039	LESL	101.3			
2042	WJFK	103.7	AR	Little Rock	
2100	WJIN	93.3	MI	Shreveport	
2103	WJFM	104.1	OK	Oklaoma City	
2112	WJFK	103.3	OK	Tulsa	
2114	WJFK	102.5	MO	St. Louis	
2114	WJFK	102.5	MO	Joplin	
2124	WJFK	99.5	OK	Georgetown	

2137 DE
 2138 FURN 97.1 AL Gadsden
 2143 EBSB 106.5 SS Arkansas City
 2154 KTVB 108.2 SS Wichita
 2200 KSTB 92.5 MO Joplin
 2207 KLAN 101.5 KS Lawton
 2217 MHD 106.9 TP ID as "Z-Q" k
 2/26
 0950 EFTL 93.1 TX Tyler
 0954 EROB 92.1 TX Tyler
 1000 AVHB 92.1 TX Sonoma, only SS w/ta-
 here, but ID sounded like KSTB.
 0418 LE Opeka of sec ant; realistic car-2-
 436 Vinograd 78-4400 active (int.).
 0116 WMO 90.1 IL Chicago, S
 0400 KSNJ 88.3 NJ Southfield, r,
 some for 135w.
 8/13 1F
 0138 WZL 91.5 NY Rochester
 0232 KAGJ 104.1 NY Buffalo, ex-WYBR
 8/12 1F
 0314 HLL 98.7 MI Detroit, ex-WBET
 "Detroit's Wheels"
 8/12 1F
 0338 TNNH 94.1 MS Oxnab, a, caught
 partial ID, sounded like KSTB.
 1240 KCRN 94.1 IL Kansas City, spot for
 Kansas State to St. Joseph, MO
 1425 LEO 94.1 MI Little Rock, S, "KQ-94"
 Famous by 18
 8/11 1F
 2331 KSTB 103.3 OK Tulsa, ID sounded like
 ETEA. Opeka's been KSTB. Taper not running.
 8/16 1F
 1338 KNCI 97.9 OH Columbus, k
 8/17 1F
 0117 KDKK 94.5 OH Port Clinton, I, ex-WYBR
 8/19 1F
 1528 WPA 102.3 OH Holland
 1634 KMO 100.9 OH Bryan
 8/24 1F
 1111 KUNI 90.9 IA Cedar Falls
 1380 WY 101.3 IA Iowa, a
 Woe, what a signal!
 1527 WFTV 100.3 MI Ann
 1700 KRAO 90.7 MI Detroit
 1905 WACB 102.9 MI Milwaukee
 1714 KQSR 102.9 IA Cedar Rapids, r, "KQ-103"
 1724 WAGT 101.5 IL Chicago, "107W"
 1729 KTOF 104.5 IA Cedar Rapids
 1832 WIXI 101.1 MI Orion Bay, r

NOTHING BUT THE TRUTH

6/24	tr				
1996	WYR	102.5	PA Sharon	"1-103"	
2001	WAB	90.5	on	on	on
2132	WAB	100.1	ON Keri	ca-101	
6/28	tr				
1997	WGB	100.1	MI Grayling		
2001	WYR	97.7	MI Pleasant		
2004	WGB	95.3	IL East Moline		
2005	WGB	102.3	MI Two Rivers		
2002	WAA	88.1	MI Interlochen	c	
2000	WYR	104.5	MI Muskegon		
2332	WYR	104.1	IL Rock Island		
6/26	tr				
1993	WYR	88.1	IN Elkhart	"1-103"	
1807	WYR	102.1	IL Chicago		
2003	WYR	96.5	MI Muskegon		
1805	WAB	107.1	MI Ann Arbor		
1829	WGB	104.1	IL Grand Rapids		
1990	WYR	103.5	IL Chicago	"1-103"	
1975	WYR	93.7	IL Chicago	"1-103"	
1988	WGB	98.5	IL Chicago	"1-103"	
1999	WYR	95.1	IL Chicago	"1-103"	
1982	WYR	100.5	IL Chicago	"1-103"	
2000	WAB	90.7	MI Harrison Springs		
6/2	tr				
2005	WYR	90.1	MI Marquette		
2131	WYR	92.5	MI West Bend		

Being a new member in WYR, I thought I should
 announce. I started OKR on 6/28/05.
 I'm also a member of WYR and IBCA

6/23	tr				
1996	WYR	102.5	PA Sharon	"1-103"	
2001	WAB	90.5	on	on	on
2132	WAB	100.1	ON Keri	ca-101	
6/28	tr				
1997	WGB	100.1	MI Grayling		
2001	WYR	97.7	MI Pleasant		
2004	WGB	95.3	IL East Moline		
2005	WGB	102.3	MI Two Rivers		
2002	WAA	88.1	MI Interlochen	c	
2000	WYR	104.5	MI Muskegon		
2332	WYR	104.1	IL Rock Island		
6/26	tr				
1993	WYR	88.1	IN Elkhart	"1-103"	
1807	WYR	102.1	IL Chicago		
2003	WYR	96.5	MI Muskegon		
1805	WAB	107.1	MI Ann Arbor		
1829	WGB	104.1	IL Grand Rapids		
1990	WYR	103.5	IL Chicago	"1-103"	
1975	WYR	93.7	IL Chicago	"1-103"	
1988	WGB	98.5	IL Chicago	"1-103"	
1999	WYR	95.1	IL Chicago	"1-103"	
1982	WYR	100.5	IL Chicago	"1-103"	
2000	WAB	90.7	MI Harrison Springs		
6/2	tr				
2005	WYR	90.1	MI Marquette		
2131	WYR	92.5	MI West Bend		

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6/23	tr				
1996	WYR	102.5	PA Sharon	"1-103"	
2001	WAB	90.5	on	on	on
2132	WAB	100.1	ON Keri	ca-101	
6/28	tr				
1997	WGB	100.1	MI Grayling		
2001	WYR	97.7	MI Pleasant		
2004	WGB	95.3	IL East Moline		
2005	WGB	102.3	MI Two Rivers		
2002	WAA	88.1	MI Interlochen	c	
2000	WYR	104.5	MI Muskegon		
2332	WYR	104.1	IL Rock Island		
6/26	tr				
1993	WYR	88.1	IN Elkhart	"1-103"	
1807	WYR	102.1	IL Chicago		
2003	WYR	96.5	MI Muskegon		
1805	WAB	107.1	MI Ann Arbor		
1829	WGB	104.1	IL Grand Rapids		
1990	WYR	103.5	IL Chicago	"1-103"	
1975	WYR	93.7	IL Chicago	"1-103"	
1988	WGB	98.5	IL Chicago	"1-103"	
1999	WYR	95.1	IL Chicago	"1-103"	
1982	WYR	100.5	IL Chicago	"1-103"	
2000	WAB	90.7	MI Harrison Springs		
6/2	tr				
2005	WYR	90.1	MI Marquette		
2131	WYR	92.5	MI West Bend		

Being a new member in WYR, I thought I should
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 I'm also a member of WYR and IBCA

6/23	tr				
1996	WYR	102.5	PA Sharon		

Jeff Falgoutner, author's bio

9/5 tr
 3562 WJW 84.3 MI Indianapolis
 9/6 tr
 3563 WJW 85.9 MI Green Bay
 9/6 tr
 3564 WJW 97.5 IN Fort Wayne, r
 9/8 WJW 101.7 IN Fort Wayne
 9/10 WJW 90.5 IN Fort Wayne
 9/10 WJW 90.1 IN Indianapolis
 9/10 WJW 94.5 IN Indianapolis, r. "No-95"
 9/9 tr
 3590 WJW 100.9 PA Harrisville, k
 9/10 tr
 1632 WJW 105.1 MS Salma, k
 9/10 tr
 0116 WJW 94.1 OH Celina, "William Cook-94"
 0210 WJW 94.5 PA Pittsburg, r. "3-MB"
 0310 WJW 96.5 PA Bradock
 0310 WJW 92.7 PA Pittsburg, "Doc Hackett"
 0314 WJW 107.1 NY Jamestown
 9/11 tr
 1137 WJW 86.1 OH Akron, g
 1215 WJW 98.1 OH Canton, g
 1216 WJW 104.3 OH Wooster
 1216 WJW 104.3 OH East Liverpool, k
 1231 WJW 103.5 OH Steubenville, r
 "Rocky-Jay"
 seat in same info for your Kerkorian FM - EM
 is legged 284 stations as of 10/1. Very good
 for this. Even had a few promiscuous MS sessions.
 All in the OK. By the way, I'm 27 years old.
 Good. Over the years, I've used the GM band.
 I only come on 284 and on 10/15 I go to try for
 local freeway while build/mile to home. Oh yes.
 For num. 73, Jeff (Thomas) for a good report-284!
 + + + +
 over 424 = Buffalo, WI 1206
 5/23/80 to 7/24/80
 7/8 tr
 1132 WJW 100.7 OH Cleveland
 7/9 tr
 1245 WJW 100.7 PA New Kensington
 7/10 tr
 1100 WJW 90.3 KY Harrodsburg
 1240 WJW 90.1 IL Chicago
 7/11 tr
 1340 WJW 100.7 MS Greenville
 1400 WJW 101.1 TX Houston
 1430 WJW 100.7 LA Baton Rouge
 1439 WJW 101.3 LA Baton Rouge
 1452 WJW 102.1 NY St. Paul
 1500 WJW 101.2 TX San Antonio
 1520 WJW 100.7 TX Austin
 1540 WJW 97.1 MS Meridian
 1545 WJW 97.3 TX San Antonio
 1605 WJW 92.3 VT Midland
 1530 WJW 96.7 TX Dallas
 1706 WJW 89.3 TX Dallas
 1715 WJW 91.7 MS Point Lighthouse
 1838 WJW 104.7 TX Airlie, "U-104"
 2044 WJW 97.3 OH Westford
 2125 WJW 101.3 MI Wixom
 2226 WJW 90.3 MS Harrisville
 2228 WJW 92.1 MO Siler, 98
 2244 WJW 101.5 PA Mount, "Life"
 7/12 tr
 1115 WJW 100.3 PA Plantation Key
 1125 WJW 97.5 FL Miami,
 "New Am-My Lemy"
 1145 WJW 102.9 FL Miami
 1155 WJW 92.3 FL Orlando
 1215 WJW 100.3 FL Orlando

* Continued *

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VHF UTILITY DX

Pat Dyer
5325 Silverleaf Drive
San Antonio TX 78228
Deadline: 1st of month

December 1980

incredible as I ...

Consequently, ...

Q. DeBour, ...

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DECEMBER 1980

242	45	Wav Zealand vides	153	ED06	100	K0418
243	45	Wav Zealand vides	154	93	09	W041 Can Jr
150	K0428	33 90 Deford DR-off	155	K0430		
304	K0434	330 K0434, K0434	156	FT142	39	10 Compulsive, M4-log
30	K0435	K0435, K0435, K0435	157	44	Pa Cam	9 2215 K0438
130	K0436	303 K0436, K0436	230	K0439		
130	K0436	K0436, K0436	231	K0440	33	08 Brookline, M4-f
131	K0436	33 70 Truro, M4-f	232	K0441	33	08 Brookline, M4-f
131	K0436	33 02 Newcomb, M4-f	233	K0442	33	09 W. Marshfield, "
131	K0436	33 02 Newcomb, M4-f	234	K0443	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	235	K0444	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	236	K0445	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	237	K0446	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	238	K0447	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	239	K0448	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	240	K0449	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	241	K0450	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	242	K0451	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	243	K0452	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	244	K0453	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	245	K0454	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	246	K0455	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	247	K0456	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	248	K0457	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	249	K0458	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	250	K0459	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	251	K0460	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	252	K0461	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	253	K0462	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	254	K0463	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	255	K0464	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	256	K0465	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	257	K0466	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	258	K0467	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	259	K0468	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	260	K0469	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	261	K0470	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	262	K0471	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	263	K0472	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	264	K0473	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	265	K0474	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	266	K0475	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	267	K0476	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	268	K0477	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	269	K0478	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	270	K0479	33	05 2108 39 74 Bus.
131	K0436	33 02 Newcomb, M4-f	2			

IN SEARCH OF PBS

Donald L. Elverine
1715 Barbours Road
Baltimore, MD 21221
phone 301-794-2914

IN SEARCH OF PBS... This month's feature will focus on a most interesting source of enjoyment for many, the public utilities, Mr. D. Wilson of Kent, Ohio once again has come through to provide a most interesting package of information for your DL pleasure.

BEST USED GAS

37.70	EQE 411	Plymouth Township (Ashland "Sakawara")	125.202
46.44	EQE 497	Akron	106 BLD Akron
	KIM 453	Dover	EQE 921 Denison
	EQE 491	Rickfield (State Route 276)	KA 3975 Mobiles
	EQE 384	Cleveland (East 9th)	
	EQE 455	Sanfield (Lambert)	
	EQE 412	Dyersburg (Chippewa)	
	EQE 219	Franklin	
	EQE 803	Jackson (North Canton)	
	EQE 402	Price	
	EQE 906	Racine (Tadbury)	
	EQE 683	Sugar Creek Township	
	EQE 463	Temporary	
	EQE 512	Mobiles	
	EQE 497	Akron	
46.46	EQE 708	Plymouth Township (Ashland)	
	EQE 284	Franklin (East 9th)	
	EQE 471	Franklin	
	EQE 266	Franklin (Lambert)	
	EQE 504	Rickfield (State Route 276)	
	EQE 425	Dover	
	EQE 803	Jackson (North Canton)	
	EQE 900	Temporary	
	EQE 712	Mobiles	
153.615	EQE 751	Akron (H-100)	
	EQE 396	Mobiles	
	EQE 383	Mobiles	
150.245	EQE 419	New Philadelphia	
	EQE 393	Wester	
	EQE 977	Perry Township (Gannon)	
	EQE 300	Mobiles	
158.175	EQE 652	North Randall	
	EQE 971	Westport	
	EQE 998	Cleveland	
	EQE 999	Cleveland	
	EQE 721	Mobiles	
158.19	EQE 312	Akron	
	EQE 328	Akron (Cassidy)	
	EQE 327	Canton	
	EQE 829	Warren	
	EQE 883	Youngstown	
	EQE 704	Saline	
	EQE 520	Marion	
	EQE 434	Temporary	
	EQE 397	Mobiles	
158.203	EQE 690	Middleville (Norman)	
	EQE 652	North Randall	
	EQE 311	Mobiles	
158.25	EQE 956	Shenandoah	
	EQE 824	Cleveland (East 9th)	
	EQE 454	Temporary	
	EQE 393	Mobiles	

48 & 7 Mobile Telephone Frequencies

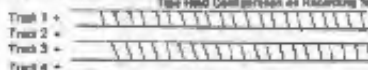
Channel	Transmit	Receive	Mobile Service Area	Channel
20	43.20	15.20	Providence, RI	21
21	43.30	15.30	Albany, NY	22
22	43.34	15.34	Buffalo, NY	23
23	43.38	15.38	Albany, NY	24
24	43.42	15.42	Albany, NY	25
25	43.46	15.46	Albany, NY	26
26	43.50	15.50	Albany, NY	27
27	43.54	15.54	Albany, NY	28
28	43.58	15.58	Albany, NY	29
29	43.62	15.62	Albany, NY	30
30	43.66	15.66	Albany, NY	31
31	43.70	15.70	Albany, NY	32
32	43.74	15.74	Albany, NY	33
33	43.78	15.78	Albany, NY	34
34	43.82	15.82	Albany, NY	35
35	43.86	15.86	Albany, NY	36
36	43.90	15.90	Albany, NY	37
37	43.94	15.94	Albany, NY	38
38	43.98	15.98	Albany, NY	39
39	44.02	16.02	Albany, NY	40
40	44.06	16.06	Albany, NY	41
41	44.10	16.10	Albany, NY	42
42	44.14	16.14	Albany, NY	43
43	44.18	16.18	Albany, NY	44
44	44.22	16.22	Albany, NY	45
45	44.26	16.26	Albany, NY	46
46	44.30	16.30	Albany, NY	47
47	44.34	16.34	Albany, NY	48
48	44.38	16.38	Albany, NY	49
49	44.42	16.42	Albany, NY	50
50	44.46	16.46	Albany, NY	51
51	44.50	16.50	Albany, NY	52
52	44.54	16.54	Albany, NY	53
53	44.58	16.58	Albany, NY	54
54	44.62	16.62	Albany, NY	55
55	44.66	16.66	Albany, NY	56
56	44.70	16.70	Albany, NY	57
57	44.74	16.74	Albany, NY	58
58	44.78	16.78	Albany, NY	59
59	44.82	16.82	Albany, NY	60
60	44.86	16.86	Albany, NY	61
61	44.90	16.90	Albany, NY	62
62	44.94	16.94	Albany, NY	63
63	44.98	16.98	Albany, NY	64
64	45.02	17.02	Albany, NY	65
65	45.06	17.06	Albany, NY	66
66	45.10	17.10	Albany, NY	67
67	45.14	17.14	Albany, NY	68
68	45.18	17.18	Albany, NY	69
69	45.22	17.22	Albany, NY	70
70	45.26	17.26	Albany, NY	71
71	45.30	17.30	Albany, NY	72
72	45.34	17.34	Albany, NY	73
73	45.38	17.38	Albany, NY	74
74	45.42	17.42	Albany, NY	75
75	45.46	17.46	Albany, NY	76
76	45.50	17.50	Albany, NY	77
77	45.54	17.54	Albany, NY	78
78	45.58	17.58	Albany, NY	79
79	45.62	17.62	Albany, NY	80
80	45.66	17.66	Albany, NY	81
81	45.70	17.70	Albany, NY	82
82	45.74	17.74	Albany, NY	83
83	45.78	17.78	Albany, NY	84
84	45.82	17.82	Albany, NY	85
85	45.86	17.86	Albany, NY	86
86	45.90	17.90	Albany, NY	87
87	45.94	17.94	Albany, NY	88
88	45.98	17.98	Albany, NY	89
89	46.02	18.02	Albany, NY	90
90	46.06	18.06	Albany, NY	91
91	46.10	18.10	Albany, NY	92
92	46.14	18.14	Albany, NY	93
93	46.18	18.18	Albany, NY	94
94	46.22	18.22	Albany, NY	95
95	46.26	18.26	Albany, NY	96
96	46.30	18.30	Albany, NY	97
97	46.34	18.34	Albany, NY	98
98	46.38	18.38	Albany, NY	99
99	46.42	18.42	Albany, NY	100

Some of the best DX that I have received came before tape entered my life. I am sure you, too, have memories of really good DX that are only dimly remembered, accompanied by things of what you heard in a log or as a letter of verification of what you received. Log keeping is essential, of course, for your own record, and for the club's directory section, and verifications are also for those who go in for QSL collecting. But the proper use of a tape recorder while DXing can do a lot to enhance your hobby. The recorder can be cassette, eight-track or reel-to-reel, manual or stereo. While most of the specific advice I will give pertains to reel-to-reel, certain principles of recording are common to all three systems.

You need not spend a large sum on a tape recorder. Used reel-to-reel recorders are perhaps the best deal. Gadgets such as automatic reversal of tape, extra-large reel capacity, sound-on-sound, and Dolby might be nice to have, but are not necessary for recording DX. Reel tapes, too, in cheap, and can often be bought in magazine lots, begged off radio stations for free, and spliced together easily by the recorder. All expensive recorders I know of have "automatic level control," which sets the recording level a certain way so that all sounds come onto the tape with the same approximate degree of loudness. This is bad for DXing, and for making off-air radio "air checks." I will discuss "air checks" later. A few cassette recorders include a switchable ALC control (such as the General Electric 3-5255 AM-FM 8-Track Stereo radio cassette recorder at about \$175). Another good feature on cassette recorders is an auxiliary input jack (like the Q-E mentioned above has such a jack). This enables high-level inputs, such as an FM tuner preamp, to be recorded without distortion. Cheaper cassette recorders, with only a microphone in jack, require the use of a preamp patch cord for the tuner's audio to be properly recorded. When you go to a receiver patch cord for taping DX, you introduce fidelity loss and increased hum distortion onto the tape.

A good feature to have on any tape recorder or tape deck is a cue control. This allows you to selectively stop the recorder while you are tuning for DX, with the record and auto level controls unchanged. When the cue is released (usually a one-finger operation), your recording continues at full speed ahead (but, of course, not far forward). Thus you don't have to fumble with the "record" and "play" buttons. A cueable cue is better than a cue that you have to hold all the time. When DX is pounding in, such as it did June 80, I don't like to record the entire eight hours or so of the DX. My time to learn to tape is limited; therefore, I do not usually tape while tuning across the dial, but once tuned into a station about to identify, then I hit the tape roll. Otherwise, the cue holds the tape apparatus in readiness. While I rely on a cue of a station's music to preserve the flavor of its programming, my main interest is in taping its legal identification, usually given and required by the Federal Communications Commission, on the top of the hour for within a few minutes of that time. I may also tape commercials, beginning of newscasts, etc., for detail to be used in writing a letter. Reception report seeking a verification from a station.

My recorders happen to be stereo, but even if I am taping a monaural station or have the receiver turned to "mono," I record on both stereo channels. The objective is to record the maximum width of tape that your recorder will allow when it is going forward. A four-track stereo recorder will normally



record on tracks 1 and 3 of the tape. If the tape is reversed, then tracks 2 and 4 would be utilized. If you can fit both tracks 1 and 2 inward on only track 1 or track 3, your tape will usually be recorded at a higher audio level and be less susceptible to "drop out" because of aberrations in one of the tape tracks. Therefore, leave one inch space between my recorder or tuner and the tape recorder.

Now, for the most important tips to follow. Only record on one side of a tape. Never remove tapes. Have plenty of tape on hand so that when DX is pounding in you can go to a new reel or a new cassette. Do not waste time rewording tape when DX is heard. You can get perfect recording of DX with just one tape recorder; you don't need a second one in readiness for when the tape ends on the first recorder. Just cut the tapes that have made their one-way journey through the recorder, grab a new one, transfer the reel to the take-up side of the machine, and you are ready for more exciting taping! Remember, to minimize tape handling, use long tapes, if possible. A long tape for reel-to-reel would generally be on a 5-inch reel, and for that you need a 7-inch take-up reel. If you happen to be using a 5-inch tape, wind the 5-inch tape onto a 5-inch take-up reel. You will need all the take-up reel capacity you can have when DX is coming in, and if the tape you are about to use is on a 7-inch reel and the only clear reel you have is a 5-inch you are headed for trouble! Later on you can do the tape rewinding, but matter how selectively you do your recording, however, after you listen to the tapes, you will discover a lot of garbage that you wouldn't care to hear again, including something my wife, Carol, calls "static." All of this you will want to edit out if you want to keep the good stuff—such as Qs of new DX.

Do your DX taping at 7 1/2 inches per second! The high speed is on your recorder to permit you to record and edit out the garbage, saving only the Qs and other good stuff. You could tape new slower in hand and rear blades and spool all that stuff out, but that is a laborious process, and it results in a bunch of spooled tape stuck for you. The best way is electronic editing, using two reel-to-reel for cassette to reel-to-reel editing, where you save only the good material on the tape. To do good edits, as this process is called, requires tapes that were recorded with as good a quality as possible in the first place, hence the need for 7 1/2 ips exclusively when taping for DX purposes. Then the tape you had the DX on originally can be erased and used again. The last erasing is with a bulk tape eraser. This is by far the best method of clearing cassettes and eight-track cartridges, as well as reel tapes, of all previous material from all tracks simultaneously. An 8-chicago model is listed in the McGraw Radio Co. catalog (1991 McGraw Street, Kansas City MO 64108) at \$70.95. We have been using it at V-B1 radio, and find that it has a eraser switch which had to be replaced with a heavier-duty momentary switch than the one it came with.

Many people mail DX tapes to me, and not only do they send material at 3 1/2 ips or 1 1/2 ips, it includes a lot of song and extensive programming. When you mail a tape in a below DXer or to a radio station along with your reception report, and only an "air check." Never, unless you have a definite reason for doing so, include entire musical selections. When you sense that a song is ending, start your recorder, tape all of the announcer's chatter between records, and then stop the tape after the intro to the next song or song. If commercials are similarly deleted, you could prevent the flavor of an entire hour's programming on a radio station in as little as two to three minutes. By selectively editing what you mail on you can use 7 1/2 inches per second with all its fidelity advantages, and still not have to send a long tape, probably a 5-inch one as the maximum would be sufficient. Under 2 1/2" to 3" tape only do not play on professional machines found at radio stations, so be careful about sending tapes like that if you want a station engineer or manager to hear his or her station as you received it. Be sure, too, that the tape you are sending has been bulk erased, or is a new tape, so that nothing else on tracks you have not recorded on. Some stations utilize full-track non-erase recorders, and anything else on your tape could be heard in backwords condition along with what you intended the folks in "radio land" to listen to.

Most radio stations and fellow DXers now have access to cassette recorders, and here it is better to use quality tape, especially in the C-90 mode and longer, that won't bunch up around the tape capstan. For tape dubbing, I have found that dubbing from reel-to-reel onto cassette results in better quality than when you record from cassette to cassette. But most of my experience with cassette has been with lower-priced units, and it is possible that with better comparison-quality stereo cassette equipment, results could be close to what you might expect with reel-to-reel equipment at 3 1/2 inches per second. Tape is a lot of fun, and can add much to a DXer's enjoyment of the hobby. Use it well, and I'm sure you will enjoy going back over past DX, especially during the winter months like now when there might not be too much new DX to hear. Furthermore, when you have guests over, you might make some presents to DXing by playing them evidence of your "storage" hobby!

The author offers copies of his Delish, Minnesota, DXing, in an FM DX tape, containing about 100 FM station identifications, with examples of sporadic DX, spontaneous DX, and never earlier, for \$2.00 from Box 361-RSC, Kearney NE 68647. That tape is at 7 1/2 inches per second, full-track monaural, reel-to-reel.

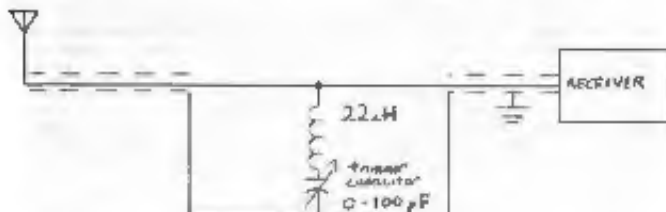
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MORE ABOUT CAR FM FILTERS

BY PETER WEEKS

This is a sequel to the article published February, 1980 TUE) regarding car FM filters.

Fundamentally, this was a set of experiments to deal with overloading problems caused by 5 high-powered FM stations radiating from the CN Tower (4 mile high) about 4 miles from here. Reception of certain Buffalo stations (across Lake Ontario, about 80 miles or so away) was greatly helped by a couple of simple LC filters connected across the antenna lead and ground a few inches from the receiver input, thus:



Tuning this to the minimum interference point for the strongest offloading station also reduced interference from other stations that might also be audible at that point on the dial.

But one problem with this is that a given setting affects reception of other stations near the point of resonance. In other words, there is a noticeable "insertion loss", for example, when this filter is tuned to 204.5 MHz to eliminate CKGM-FM Toronto, in order to clear up interference with WGRD-FM Buffalo at 91.1, there would be some loss of the desired signal. I did mention compromises which would weaken the effect of the filter, while still enabling it to do the necessary job. But I am wondering still if someone can come up with any of the following improvements—to make it a narrower-band filter with a sharper resonance curve:

(a) using an "active filter", although what I have read seems to indicate that they are the most suitable and successful at much lower frequency ranges, particularly at audio ones (as in equalizers);

(b) a multi-stage passive filter for more selectivity;

(c) a multistage filter that would allow for filtering of 2 or 3 specific frequencies at the same time.

Are RC filters rather than LC filters the way to go here?

With my new car, a Datsun B210 with a Clarion AM-FM stereo set, I have far fewer problems with overloading, such that simple filters are adequate most of the time, if they are needed at all. But I have noted considerable success with an FM booster sold by HAMRONICS (65 Moul Road, Milton, NY 14508), model F11, a "RF preamp". Unlike most, this is a TUNED circuit

MORE ABOUT CAR FM FILTERS

which is about all that could work in this location. The range for which it is designed is rather narrow, but by attaching more or plastic screwdrivers for tuning the coil slugs, I can conveniently cover from 88 MHz to just over 92 MHz, ideal for the educational FM section of the band, and particularly the station I wanted to receive more clearly for their jazz broadcasts, WFOG Buffalo, whose power is only 21,500 watts. The gain is quite impressive, and has enabled some good DX—from such stations as WFOH Ann Arbor, MI, WFOG Chicago, NY, WFSB Torrington, CT, WJLU Kent State University, OH, WQED Pittsburgh, PA, and WGLB Erie PA on the adjacent channel to our local (JUN), a 50 kw at 91.1. This booster with its tuned circuit served to assist the filtering out of the CN tower stations further up the band starting at 94.1 MHz. Is anyone familiar with other TUNED FM boosters which would cover the whole band, or adapting fixed ones like Winograd's for locations where overload is a problem?

If anyone wants further details about the switching and by-pass circuits that I use for the combination of the booster and filters, I'd be glad to oblige.

73's, Peter Weeks
95 Burnside Drive
Toronto, Ontario
CANADA M4G 2H9

TECHNICAL TOPICS (continued from page 13)

Q: I read that when you stack antennas, you should use only a "hybrid" type combiner. What is a hybrid combiner?

A: Hybrid combiners (also called splitters, or splitter/combiners) are coupling devices that allow signals to go in one direction only. When a hybrid splitter/combiner is used as a combiner, the output of the combiner contains the sum of the two input signals, while the signals remain effectively isolated from one another. If you're stacking antennas for best DX performance, make sure you use a good quality hybrid-type combiner. They are more expensive than resistive-type combiners, but cause much less loss of signal. The most important thing about the hybrid combiner is that it allows the signals from the antennas in a stack to add together in such a way that a very deep signal null can be created in certain directions. Other cheaper types of splitter/combiners can't do this, because they don't offer the high amount of isolation between input signals that hybrids do.

Q: "Stacking antennas will give increased signal gain, but isn't it easier to just get a preamp—to give the same result?"

A: When antennas are stacked for DXing purposes, it's not so much for the increased gain. After all, stacking two identical antennas produces only 3 db signal gain, which would hardly seem enough to justify the cost of a second identical antenna to many DXers. The real value of such an array comes in the deeper nulls that are created, such as in the case of a horizontal stack. The gain that a preamp gives you, and the increased gain of a stacked antenna array are really two different types of gain, even though they can both be expressed in db. A preamp won't be of much use unless its noise figure is lower than that of your tuner—and even then it may be overloaded by strong local signals. A good antenna stack, on the other hand, will give you many more DX opportunities than you would have had without it, because along with the gain increase comes increased directivity. This improvement in DX system performance is usually more important on the FM and highband VHF TV bands, where it can be used to "dig out" weak signals out of a crowded channel during an intense tropo opening. Stacking antennas for DXing is really easy—and almost never very cheap—but is probably the best way to add new stations to your log on the high-band VHF TV and FM channels.

QSL CORNER

Thomas J. Vingilis, Jr.
271 Pleasant Beach
Baltimore, MD 21229

Ph: QSL

- Oct QST 73.9 Ottawa, 150 Isabella St., Old Carl from Alvin R. Koch 1. Charles Kingston, CBC card from public relation, so Alvin, received during visit to CBC HQ's in Toronto, Ill. Bernard E. Charles
- QST 107.5 TORONTO, 637 College St., letter from Frank Joyce (7) Tech. Super, reply in over 1 year, after 6 follow-ups, I right station later as 4 got 30 minutes, 50 mins was offered 79, but my next where is too small. Charles
- LA QST 102.2 New Orleans, 1200 Walnut St., letter from Robert G. Engelhardt, VP & Ed, mentions he enclosed a "QSL report card", but no enclosure. Cooper
- QST 11.7 Iowa City, University of Iowa, letter from George E. Vining, Asst. Dir. of Broadcasting. Cooper
- TI QST 105.9 Peoria, Box 1335, W. Allen St., 61614. Letter from Don Harland, CE reply in 2 weeks. Cooper
- LA QST 177.1 New Orleans, 601 Loyola Ave., Poydree House, 70113. Letter from Tim Anderson, CE on "Q-97" stationery, enclosed a "Paper Card" (just like a credit card) Charles
- WFO 79.5 New Orleans, 601 Loyola Ave., Poydree House, 70113. Letter from Joseph H. Costello III (7), Pres. & GM. HQ's for company includes stations KLM, KMD, KMT, KMLA, Good a "WFOB Book for License plates, & for shipping weight (very nice...I got one from WFOB-ed, ed.) Charles
- NO QST 13.2 Houston, Box 2, 38 Street Level, station WFOB will permanently leave the air on 3/12/80 (now in the past, ed.) yielding their dual position to WJAT, Providence, RI now on 97.0MHz, AM. Cooper
- WFO 79.5 Burnsville, 737 4th Main St., Burnsville, 05603. Letter from Donald E. Moore, Pres. Cooper
- WFO 106.3 Pittsburgh, Box 950, Letter from David E. Under, CE. Cooper
- QST 105.5 Annapolis, University of Mass. Letter from Charles Ferguson, CE. Cooper
- WFO 73.5 Rockland, 31 Goddard Ave., 02370. Letter from Steve Bucklestein, SE. Cooper
- WFO 102.5 Salem, 1150, Letter from Dave Tucker, VP of pro. Cooper
- NO QST 72.1 Sedalia, Box 1050, 65301. Send back my prepared form letter from signer Earl Cismarich, CE. Edie
- QST 106.5 St. Louis, 1-6 Library, University of Missouri-St. Louis, 63101. Letter from Jeffrey K. Stoltz, CE. Cooper
- QST 106.7 St. Louis, University of Missouri-St. Louis, 63101. Letter from Jeffrey K. Stoltz, CE. Cooper
- LA QST 106.3 Blair, 1621 Washington St., 68008. Letter from Jay Brown, General Manager answering for Arvin Heron, CE. Cooper
- QST 77.7 Metairie City, 321 E. 8th, 56101. Letter from David J. Manning, General Manager. Edie
- QST 109.7 Lincoln, Box 7, 68029. Letter from from Kenneth Beddick, CE. Edie
- QST 106.9 Danvers City, 5 301 S. Phillips, 01923. Send a QSL Card from to R. Arbis. Cooper
- LA QST 73.7 Austin, 910 Brandy, P. O. Box 1207, 78767. Letter from Lee Longmeyer, Asst. CE, Under is Johnson Co. Inc., the family of late President Lyndon Johnson. JMW
- QST 79.9 London Falls, 1300 S. Oak Field, 56007, or Box 5146. Friendly letter from Bill Miskala, 37 & music director, send get letter & bumper sticker from Willie Nelson's Texas World Music Festival. Charles
- LA QST 106.5 Chesapeake City, Letter 3 very specific words text in 1 sent from Jack Harrison, VP & CE & instructor of Broadcasting. He misinterpreted the nature of ship by referring to a possible undesirable "QSL" in its antenna pattern that does not show up in "below in" measurements. My report is first from anywhere outside their market operation. Good

Reporters this all PH QSL Corner are: Bob Charles of Toronto, Ont.; Ernest R. Cooper of Provincetown, MA; Robert S. Ross of London, Ont.; Richard T. Edie of St. Louis, MO; Bob Hengel of Kansas, KS; Hank Holbrook of Chevy Chase, MD; & Richard L. Wood of Cape Girardeau, MO. Welcome to new report Bob Hengel this month. TJ's a good dx in winter time.

1980 WTFDA CONVENTION REPORT

The first weekend of August, 1980 brought us the 1980 WTFDA Convention. The gathering was hosted by veteran TV man Bob Seybold at the Seybold Family Inn, with accommodations shared at the Vineyard Hotel.

The first arrival on Friday (August 1st) evening was treated with a warm welcome by Bob Seybold. Several other early birds found several members of the staff from the Seybold Inn, a location where Seybold will be in contact with radio-amateur friends on the weekend of the convention. In the evening, a special dinner was served at the Seybold Family Inn. The "QSL" sessions were getting underway at the evening reception. As the night of arriving there grew, plenty of refreshments were served to keep up a light breeze meeting was disturbed.

Though the first day was busy, the second day (August 2nd) morning, as soon as the morning sun came out, the weather was just what the group needed. A lot of weather reports indicated, as the time came however, Sunday was a day of several hours of rain. In the evening, the group was held in the TV room, where a special dinner was served. The group was held in the TV room, where a special dinner was served.

The latter part of the evening was the first of several equipment demonstrations, the most interesting of which was Jerry's (Seybold) Jerry had brought along his 100-watt VHF, and displayed some of his equipment. Jerry had brought along his 100-watt VHF, and displayed some of his equipment. Jerry had brought along his 100-watt VHF, and displayed some of his equipment. Jerry had brought along his 100-watt VHF, and displayed some of his equipment.

Following the demonstrations and some informal talks, the group moved to the Vineyard for the traditional banquet.

The meal was followed by a letter talk and "Q and A" session by engineering. It seems like the technical talks are fast becoming one of the highlights of WTFDA conventions, as there were plenty of questions from the attendees and the speakers were very helpful in answering them.

After the "Q and A" session, it was time to return to the Seybold Inn. The Seybold Inn, where most informal talks were given. The Seybold Inn, where most informal talks were given. The Seybold Inn, where most informal talks were given. The Seybold Inn, where most informal talks were given.

Sunday morning started early (for many for some sleep) with the first business meeting. The state of the union, and its future, was discussed, along with printing problems, and suggested projects, as well as other business. Major announcements centered around staff changes, with the Alexander taking over as club president on a temporary basis, and the change of the old Executive, to new officers.

At the close of the meeting, the group part of the convention was over, and the group was held in the TV room, where a special dinner was served. The group was held in the TV room, where a special dinner was served.